

# **Confined Space Gas Monitoring System**

## **Job No. 07-14-PW**

### **December 13, 2013**

## **Questions and Responses to Questions**

We are interested in bidding for your Job No. 07-14-PW Confined Space Gas Monitoring System and we had a couple questions regarding the specifications.

1. **What gases are you looking to measure?** Nitrogen Balance Gas used for the Calibration of monitoring & research equipment. Nitrogen Balance Gas often used to test Gas Monitoring Equipment includes – Oxygen, Propane, N-Pentane, Hexane, Carbon Monoxide, and Hydrogen Sulfide
2. **What are the measuring ranges of these gases?** The ranges for gas bump testing will depend on the gas monitor systems your company uses/leases. The gas is used for bump testing the gas monitors. For more information you can contact Calgaz at 1-713-868-0440 to learn more about Nitrogen Balance Gas used for calibration of monitoring and research equipment. I am not sure this is what your question relates to or to keeping the working confined spaces safe for our staff who may be exposed to gas vapors from the sewer systems or storm systems from illegal dumping of materials or industrial discharges that are legal but lethal when in a confined space doing repairs.

3. **What is the size of the confined space in which the system will be installed?**

The monitoring system will be installed in the maintenance shop (recharging cradles with bump testing gas station) and then the gas monitors are portable to be attached to staff while they enter various confined space areas (too many different sizes of the spaces to list – sewer and storm vaults, wet wells, manholes, CB Type 2). The (2) store rooms vary in size, but will be approximately 20 x 20 shop where the equipment will be stored and located for staff access.

I have downloaded the RFP. I have a few initial questions. How many monitors? What gases are you monitoring for? Do you want portable or stationary monitors?

Please let me know if there is additional documentation available online.

**How many monitors?** We are interested in the cost for 4 portable monitors with a 5<sup>th</sup> clip on style type or the cost of 3 portable monitors with a 4<sup>th</sup> clip on style type. Other than the clip style, we use the hand held sensor drop style. The sensor is lowered into the manhole and it remains there while the employee is below working. The topside person watches over the monitor.

**What gases are you monitoring for?** Employee safety while entering sewer systems and storm water vaults. Gases can be from any type of approved King County permit approved industrial discharge into the sewers or the typical types of gas that can develop in sewer systems and storm system vaults.

**Do you want portable or stationary monitors?** Portable no stationary monitors.